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**Kieronski**

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(54) **HIGH-STRENGTH PARTS FORMED USING STEREO LITHOGRAPHY**

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(58) Field of Search ..... **264/250, 255, 264/257, 267, 279, 401, 571; 156/242**

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(57) **ABSTRACT**

High-strength parts are produced by first performing a stereolithography part generation process to create a polymer part having opposing interior surfaces. An uncured strength material is interposed between the opposing interior surfaces of the polymer part. The polymer part with the uncured strength material is then heated. The strength material is chosen to bond to the opposing interior surfaces during the heating step.

**6 Claims, 2 Drawing Sheets**

